

# Kepler Center for Astro and Particle Physics

## Annual Workshop of the Kepler-Kolleg: Particles, Fields and Messengers of the Universe

(October 8-10, 2012, Liborihof, Todtmoos)

### WORKSHOP PROGRAM

(OT)= Overview and Introductory talks, (ST) Short contributions; 45 min and 25 min (including 5 min discussion)

#### Monday, October 8<sup>th</sup>

	Arrival	
12:30 – 13:30	Lunch	
13:30 – 13:45		Room Check In
13:45 – 14:00	Josef Jochum	Welcome – Rules of the Game
Chair:		
14:00 – 14:45	Ellen Ringat	Spectral Analysis at the IAAT - OT
14:45 – 15:10	Nicole Reindl	The mysterious case of the O(He) stars - ST
15:10 – 15:35	Stephan Hermanutz	Development of micro channel plate detectors - ST
15:35 – 15:45	<i>questions / discussions students only</i>	
15:45 - 16:15	Coffee Break	
Chair:		
16:15 – 16:40	Sebastian Diebold	A Setup for Soft Proton Irradiation of X-ray Detectors - ST
16:40 – 17:25	Kai Freund	Neutrinoless Double Beta Decay - OT
17:25 – 17:50	Christopher Schmitt	Germanium detectors in GERDA - ST
17:50 – 18:15	Astrid Blin	Fat jets in SUSY with boosted tops-ST
18:15 – 18:25	<i>questions / discussions students only</i>	
18:30	Dinner	
19:30 – 20:30	<b>Dr.Ralph Bilger, Vontobel Investment Banking - Zürich</b>	<b>Physicists in Finance Industry</b>

## Tuesday, October 9<sup>th</sup>

	Breakfast	
Chair:		
8:30 – 9:15	Henning Wende	LOFT - Large Observatory For X-ray Timing – OT
9:15 – 9:40	Alejandro Guzman	JEM-EUSO simulations in Tübingen - ST
9:40 – 10:05	Gabriele Warth	Analysis of the supernova remnant DEM L 299 - ST
10:05 – 10:15	<i>questions / discussions students only</i>	
10:15 – 10:45	Coffee Break	
Chair:		
10:45 – 11:10	Rozaliya Doroshenko	Unique Bursting Pulsars - ST
11:10 – 11:55	Jan Heffner	Yang-Mills theory at finite temperature in Coulomb gauge - OT
11:55 – 12:20	Felix Ringer	Perturbative QCD and Resummation - ST
12:20 – 12:30	<i>questions / discussions students only</i>	
12:30 – 13:30	Lunch	
<b>13:30 – 15:45</b>	<b>Career Service Uni Tü</b>	<b>Job Application Training</b>
15:45 – 16:15	Coffee Break	
<b>16:15 – 17:00</b>	<b>Career Service Uni Tü</b>	<b>Job Application Training</b>
Chair:		
17:00 – 17:45	Tobias Müller / Alexander Seizinger	Planet Formation for Dummies - OT
17:45 – 18:10	Marius Hertfelder	The Boundary Layer of Accretion Disks - ST
18:10 – 18:20	<i>questions / discussions students only</i>	
18:30	Dinner	
<b>19:30 – 20:30</b>	<b>Prof. Dr. Friedrich-K. Thielemann, Uni Basel</b>	<b>Challenges in the Astrophysical Production of Heavy Elements</b>

## Wednesday, October 10<sup>th</sup>

	Breakfast	
Chair:		
8:30 – 8:55	Benjamin Heß	Identified Jet Fragmentation Functions with ALICE - ST
8:55 – 9:20	Anton Lymanets	Development of prototype components for the Silicon Tracking System of the CBM experiment at FAIR - ST
9:20 – 10:05	Elena Perez	Evidence for Dibaryons? - a New Type of Matter? - OT
10:05 – 10:15	<i>questions / discussions students only</i>	
10:15 – 10:45	Coffee Break	
Chair:		
10:45 – 11:30	Dennis Dietrich	Results from the DoubleChooz Experiment - OT
11:30 – 11:55	Lee Stokes	Boron 12 in Double Chooz - ST
11:55 – 12:05	<i>questions / discussions students only</i>	
12:05 – 12:30	Votes, Prizes, Farewell	
12:30 – 13:30	Lunch	

**END**